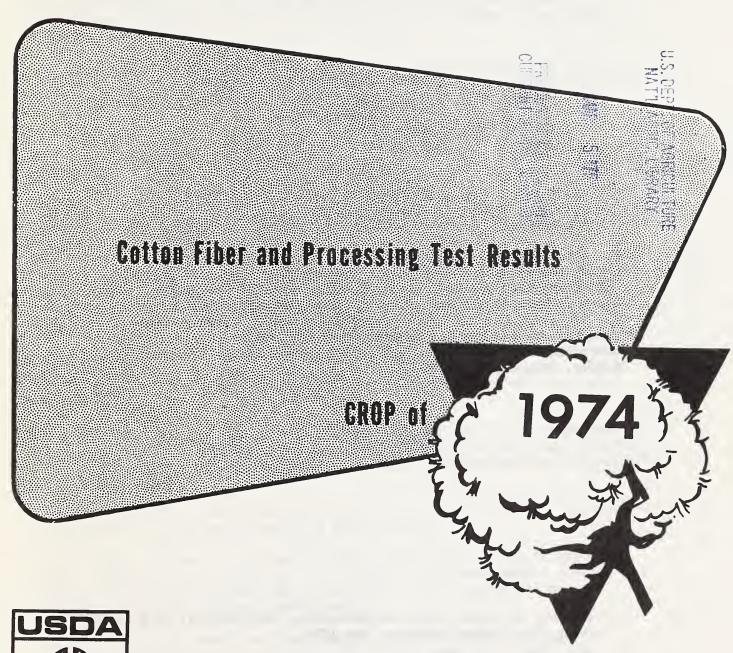
## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.





USDA

Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 January 3, 1975

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season. These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

Summary of Cotton Fiber and Processing Test Results, Crop of 1973, USDA, AMS, Cotton Division, May 1974.

## COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1974

## Discussion of Test Results

Cotton Division laboratories of the Agricultural Marketing Service, USDA, report cotton fibers tested from the Southwest short staple samples, to date, are less uniform and finer than through the same period a year ago. Shirley Analyzer and picker and card waste are higher than a year ago. Yarns spun from these samples show lower appearance grades. Yarn imperfections are higher.

Averages for all medium staple samples tested through December 27 show fibers to be less uniform and finer than a year ago. Picker and card waste is higher. Yarn imperfections are slightly fewer than a year ago.

Medium staple samples tested from the Southeast show finer fiber than last season at this time. Picker and card waste is higher. Yarn imperfections are slightly fewer.

South Central medium staple samples tested, to date, show finer and slightly stronger fiber strength at 1/8" gage test than last season. Picker and card waste is higher. Yarns spun from these samples show stronger skein strength than a year ago.

Medium staple samples from the Southwest show fibers to be finer and stronger than last season. Picker and card waste is higher compared to a year ago. Yarns spun from these samples show lower appearance grades, while yarn imperfections are slightly fewer than a year ago.

Medium staple samples from the West show fibers to be shorter and fiber strength weaker at both zero and 1/8" gage tests than a year ago. Picker and card waste is higher this season. Yarn imperfections are fewer than last season.

Averages for all long staple samples tested show fibers to be finer than a year ago at this time. Yarns spun from these samples show lower appearance grades for both carded and combed yarns. Yarn imperfections were higher than a year ago.

No additional long staple samples were received from either the Southeast or the South Central areas during this report period.

Long staple samples tested from the West showed weaker fiber strength at 1/8" gage tests than a year ago. Yarns spun from these samples show both carded and combed yarn strength to be weaker. Yarn imperfections were higher than a year ago for carded yarns.

Extra long staple, American Pima, samples from the West show finer and slightly weaker fiber at 1/8" gage tests than a year ago. Yarns spun from these samples show lower appearance grades than last season at this time.

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Averages of fiber and processing tests from selected gin points in the United States through December 27, 197 $^{\dagger}$ 

Table 1.--Cotton:

			8			- 4 -	· ·			
ω		Spin. Potent.	Yarn N	42 41	61	61	57	69	62	m
test results	ty	<pre>Imperf- ections</pre>	No.	17	21	19	24 22	18	20	8
	Yarn quality	Appear-Imperf- ance ections	Index	110	106	107	668	103	105	7.7
Processing	Yaı	Skein str.	Lbs.	8 8	102	101	98	119	104	4 (22s)
		P & C waste	Pet.	6.3	6.0	6.3	5.7	5.0	5.7	0.5
		S A nonlint	Pct.	ო ო ო თ	8 8. 9.4.	3.1	8.9 1.	9 9 6 6	0.0	0.5
	strength	1/8" gage	G/tex	21	22 22	22 53	55	26	53 33	н
results	Fiber	Zero gage	Mpsi	84 85	82 81	8 83 83	82 84	8.5	84 85	2
er test	Mike	ness	Rdg.	4.5	4.6	4.7	44	なけい	t. 2.5	0.0
Fiber	raph	50/2.5 unif.	Pct.	7†† 9††	7† 42	442	5 7 7 7	749	7† 9†	ત
	Fibrograph	2.5% span	Inches	.96	1.08	1.10	1.07	1.13	1.10	0.02
	Lots	tested	No.	49 29	50	159	75 75 70	99	307	
	Staple group Area, and	Crop year		Short Staple: Southwest 1973	Medium Staple: Southeast 1973 1974	South Central 1973 1974	Southwest 1973 1974	West 1973 1974	U. S. Average 1973 1974	Significant dif- ference 2/

Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples. Based on a limited number of samples of modal quality

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Averages of fiber and processing tests from selected gin points in the United States through December 27, 1974  $_{\rm L}$  (Continued)

Table 1.--Cotton:

	SPY	No		99	64	8.8	7,L				m	
	ctns	No		8	ω ω	10	80		нα		N	
	Imprf	No.	٤I	15	19	18	16	Yarn			a	
Kesults 1:+v	arance	Indx	mbed rai	124	127 113	109	120	Combed	123		5	
Test	Appe	Indx	ed ed	117	117	99	111	50°s		- 4	5	
ocessing V:	ngth combed	Lbs.	ZS Card	120	126	152	132		99		4(22s) 2(50s)	
Ĭ.	Strer carded	Lbs	VI	104	108	136	115	ng H			4 (22s)	
	Comber Waste	Pct.		16.9	17.3 18.0	14.9	16.3				0.5	
	0) .	Pct.		8.7	ω ω ω ω	7.2	8 8 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	Amer	7.7		0.5	
A C	Non- lint	Pct.		0.00 0.00	3.8	2.6	3.7		3.1		0.5	
t.S	1/8" gage	G/tx		8,8	53 55	27	**************************************		33		1	9
Kesul Stre	Zero			82 82	85	88	98		100		2	
	Mike	Rdg.		9.4	£ 4.	3.8	4.8	≱ Ta	33.8		0.2	9
FI I	Unif	Pct.		45	<del>1</del>	45	44	Arr	31		α	4
T.ong.	Span	In.		1.12	1.14	1.16	1.14		1.46		0.02	1 : m : + c d
	Lots	No.		16	99	119	33		12			
Staple group,	Area, and Crop year		Long Staple:	1973 1974	South Central 1973 1974	West 1973 1974	U. S. Average 1973 1974	•	Extra Long Staple: West 1973 1974		Significant Difference 2/	1 Board 1
	group, Tenath Strenath SA Total Processi	group, Lots Span Unif Mike Zero 1/8" Non- year Span Unif Rage gage lint and lots span Unif Rage gage lint waste waste carded combed carded combed card card card card card card card car	group, Length Strength SA P&C Comber Yarn Quality  Jots Span Unif Mike Zero 1/8" Non- Waste Waste Carded combed card combed carded combed carded combed card card card card card card card car	roup, Lots Span Unif Mike Zero 1/8" Non- Waste Naste Strength Carded combed carded combed carded combed carded combed carded No. In. Pct. Rdg. Mpsi G/tx Pct. Pct. Pct. Lbs. Lbs. Lbs. Indx Indx No. No. Carded Rame Carded Rame Carded Rame Carded Rame Carded Combed Sarn	Lots   Lots   Lots   Regults   Strength   SA   Register   Regults   Strength   SA   Register   Re	Lots   Length   Strength   SA   P&C   Comber   Strength   SA   P&C   Comber   Strength   Appearance   Impression   Impre	Lots   Lots   Lots   Rate   Lots   Rate   Rate	rough, formation and and and and and and and and and an	Tough, Lots   Lo	Comparison	Court   Cour	Comparison   Com

based upon averages of a number of lots and are not applicable to individual samples. Minimum differences considered to be significant for comparisons in this table. Based on a limited number of samples of modal quality 네<u></u>

These guides are

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1974

							-	6 -						-			
	Spin.	Foten- tial	No	4	84	33	94	94	45 51	45	04	43	42	94	45	34	
	Imprfect'ns	22sor 27 tx		17	20	23	58	39	41	21	24	23	32	33	20	21	
arns	Imprf	8s or 74 tx		32	32	45	86	59	60	56	35	, 64	39	45	34	35	
Carded Yarns	ance	22sor 27 tx	S S	110	06	90	70	80	02	110	06	100	90	06	100	110	
1	Appearance	8s or 74 tx	,	130	120	120	100	100	110	120	120	120	110	120	130	120	
est Res	tion	22s or 27 tx	Pct	6.2	9.9	5.1	7.5	1.4	7.0	6.2	6.8	6.2	7.2	1.9	9.9	5.4	
Processing Test Results	Elongation	8s or 74 tx	Pet	ENT 6.9	PERCENT 94 7.1	ENT 6.5	ENT 8.6	ENT 8.6	8.2 8.2	1.0	ENT 7.5	ENT 7.2	ENT 8.0 8.3	FNT 7.6	ENT 8.0	ENT 6.0	
Proce	gth	22s or 27 tx	Ips	3 PERCENT 96 6.	) PERC 94	PERCENT 82 6.5	PERCENT 101 8.0	PERCENT 100 8.0	96 8. 103 8.	PERCENT 92 7.0	3 PERCENT 89 7.5	PERCENT 98 7.2	94 8. 100 8.	PERCENT 98 7.	PERCENT 97 8.	PERCENT 83 6.0	
	Strength	8s or 74 tx	Lbs	98	100 298	100	90	90	90 308 328	100	301	313	90 311 326	312	95 315	273	
	2 2	ste	Pet	7.2	6.1	6.5	9.1	7.1	7.9	7.2	5.6	6.5	7.6	6.5	0.9	7.3	
	Color W Stock	Yel	읾	m	4	m	4	4	mm	4	m	4	4 4	m	m	m	
	Co		<u>8</u>	м	4	4	7	~	6 %	4	8	<b>4</b>	77	7	7	4	
	_L	Non- lint	Pet	3.9	2.2	3.7	4.9	4.0	6.9	1, 3.4	3.2	STORMPROOF 44 5.6 3.0	7.9 8.8	3.1	3.0	3,3	
lts	Elon-	gat n 1/8"	Pet	611	611	LX 57 5.8	8 31 6.8	ER 18	R 31 7.4 6.4	LX 57 5.5	ER 18 6.1		8 31 6.4 6.6	57	6.9	57 5.4	
lest Results	er æth	1/8" Gage	G/tex	LANKART 22	LANKART 21	LANKART 22	STR IPPER 22	PAYMASTER 20 7	STRIPPER 20 22	LANKART 21	PAYMASTER 19 6.	WESTERN 21	STRIPPER 22 21	LANKART 21	LANKART 21	LANKART 22	
Fiber Test	Fiber	Zero	Mpsi	80 4	80	90	80	78	7.7	83	78	81	84	82	83	88	
		Млке	Rdg	4.5		4.	2.6	2.7	3.0	4.6	3.7	3.9	3.1	4.5	4.4	4.1	
1	tal raph	Unif	Ret	94	4	4	43	45	44	43	46	43	4 4 9	4	45	<b>4</b> 3	ark
	Digital Fibrograph	2.5% span	되	16.0	96.0	0.99	96.0	96.0	0.95	321/1.01	0.93	1.00	0.94	1.01	1.02	0.99	se of b
		Stple	32s	AREA 30	31	31	32	31	31	32 1	30	31	31	32	32	30	oecan
ea,	on r		(· )	AR 51	15	45	52	45	52	45	51	45	45	14	41	45	1 41 1
on Ar	icati	de		T TEKAS	TEKAS SP 4		SP	٩	S P	SP	S	SP	SP	111	7	SP	fron
Production Area,	Classification & Sample Number	No Grade Name & Code		SOUTHWEST CENTRAL TE BYERS 1 LM	NORTHWEST ANSON 1 SLM LT	BURKBURNETT 2 SLM LT SP	HART 1 LM LT S	PLAINVIEH 1 SLM LT SP	RALLS 1 LM LT S 2 LM	RULE 1 SLM LT	SEAGRAVES 1 LM	SNYDER 1 SLM LT	TULIA 1 SLM LT 2 SLM LT	OKLAHOMA CARNEGIE 1 SLM	DAVIDSON 2 SLM	TERRAL 1 SLM LT	1 Reduced from 41 because of bark
•		,	•	-, -	_												

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	Digital Fibrograph	9 1	In Pet	1.08 43	1.09 4	1.11 4	1.10 4	1.11 4	1.07	1.03	1.12	1.09	1.12
	년	if	اب	~	43	43	43	44	44	43	45	43	41
			Rdg	3.4	4.1	3.5	3.7	3.9	3.7	4.8	3.4	3.4	3.5
Fiber Te	Fiber	Zero Gage	Mpsi	78	7.8	8	80	81	83	87	81	80	11
Test Results	er Elon-	age	G/tex Pct	STONEVILLE 6	COKER 201 21 6.1	DELTAPINE 16 21 7.5	STONEVILLE 2 22 6.8	DELTAPINE 16 23 7.1	STONEVILLE 2 21 6.0	DIXIE KING 23 5.3	DELTAPINE 16 23 7.2	STONEVILLE 2 22 6.4	DELTAPINE 16 22 7.0
	S.A.		Pet	603	4.2	5.0	213	2.5	3.9	3.1	3.1	213	3.2
	Color Raw Stoc	Gra	No.	2	4	2	Э	1	٣	4	2	1	9
	성	Yel Waste	No Pet	3 6.4	2 7.2	2 7.2	3 6.6	2 6.1	2 7.1	2 9.4	3 6.4	2 5.9	1 6.2
Proc	Strength	e 22s or 50s or 27 tx 12 tx	Lbs	105	96	100 PEF 107 37	100	100 PEF 114 39	100 PEF 100 33	100	100	93	100
Processing Test	Elongation	or 22s or 50s	Pet	PERCENT 35 7.1 4	PERCENT 33 5.9 4	PERCENT 37 7.2 4	PERCENT 35 6.8 4	PERCENT 39 7.1 5	PERCENT 33 6.5 4	PERCENT 30 5.5 4	PERCENT 40 7.5 5	PERCENT 38 7.3 5	PERCENT 38 7.2 5
Results		or 22s	Z	4.8 100	4.2 100	4.9 90	4.8 90	5.2 100	4.3 100	4.0 100	5.3 100	5.2 100	5.1 90
- Carded Yarns	Appearance Index	or 50s or	Z	0 70	90	07 0	07 0	80	06	08 80	06 (	06 0	07 0
Yarns	Imprf	22s or	5	20	24	20	28	15	18	23	17	20	31
	Imprfect'ns	50s or tial	No No	17	17	11	20	10	17	16	14	18	23

Table 3 -- Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

	Spin. Octen- tial		_	61	_							
	Щ.	욂	57	62	69		52	61	71	64	36	52
	Imprfectins	5 9일 8	12	22	13		25	31	37	30	25	17
arns	Imprfect'r 22s or 50s c	S     왕	16	27	41		32	94	35	30	31	20
Carded Yarns	la,	1	10	02	06		09	09	09	09	80	90
Results - C	Appearance Index 22s or 50s	S	100	100	110		20	70	90	90	90	100
Test Resu	Elongation 2s or 50s or 7 + y 12 + y	Pet	6.4	5.1	5.1		4.6	4.9	5.4	5.0	4.0	4.2
Processing T	010	1	PERCENT 33 6.6	PERCENT 36 7.6	PERCENT 37 7.6		PERCENT 1/38 6.1	PERCENT 1/38 7.4	PERCENT 43 7.1 37 7.2	PERCENT 36 7.4 35 7.0	PERCENT 23 5.4	PERCENT 32 5.9
Proce	ngth 50s or	rps						PER 38			PER 23	32 32
	Strength 22s or 50s		94	901	95		100	100	85 120 112	100 109 105	100 80 <u>3</u> /	100
	P & C Waste	Pct	6.1	5.1	6.1		7.5	7.5	8.0	5.5	7.2	7.3
	Color Raw Stock Gra Yel	외	m	m	2		<b>m</b>	m	mm	mm	8	ю
		욁	~	7	2		2	2	2 2		2	m
	S.A. Non- Lint	Pct	3 2.0	2.1	2.6		3.9	4.5	3.4	3.1	2.7	3.0
ts	Elon- gat'n 1/8"	Pct	11LE 213	LTAPINE 16 1 7.4	INE 16 7.2		312	5110	19 6.8 6.8	7.0 7.0 6.6	4789A 6.6	F 8XL 6.2
est Results	Fiber crength ro 1/8" ge Gage	G/tex	STONEVILLE 21 6.º	DEL TAP	DELTAPINE 16 24 7.2		COKER 24	COKER 22	DUNN 119 25 23	LOCKETT 22 22	LOCKETT 22	LOCKETT 24
Fiber Test	Fiber Strength Zero 1/ Gage Ga	Mpsi	80	79	82		48	83	88 4 5	81 82	87	8
	Mike	Rdg	8	3.2	3.7		3.5	3.2	2.9	2.8	2.5	4.3
	al rraph Unif.	Pet	43	45	7 7		45	41	43	45	745	각
	Digital Fibrograph 2.5% Uni span	In [In]	1.09	1.10	1.10		1.13	1.12	1.05	1.04	1.8	1.05
	Stple	32s (Conti	35	35	35	AREA	s 51 <u>2</u> /35	35	34		31	32
Area, tion	ber e	REA	а 14	41	14	•	1AS 512	51	51 <sup>2</sup> /51	41	45	45
tion .	& sample Numbe Grade	SAL AI	:VILL			<b>L</b> -	r TEXAS			ILLE	SP	SP
Production Area, Classification	Sample Number  Grade  Name & Code	SOUTH CENTRAL AREA(Continued)	MISSOURI PORTAGEVILLE 3 SLM	SENATH 3 SLM	TENNESSEE BRADEN 3 SLM	SOUTHWEST	NORTHWEST LUBBOCK 2 LM	LUBBOCK 2 LM	OLTON 1 LM 2 LM	ROPESVILLE 1 SLM 2 SLM	VERNON 1 SLM LT	VERNON 1 SLM LT

100 percent selected for tests, less than 100 percent in the area Reduced from 41 because of bark End breakage too high to spin 50s yarn. 144s yarn spun and strength adjusted to equivalent of 50s.

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	l :	- L	1					- 9	-						
		Poten- tial	위		4	55	57	96	75	65	73	78	78	73	54
	Imprfect'ns	50s or	위		16	1.7	19	14	14	7	14	13	•	6	80
Yarns	Imprf	22s or 50s or	N N		18	18	22	19	20	11	19	16	13	12	12
Carded Ya	nce	Os or	1		06	80	06	90	0	06	90	80	90	90	90
1	Appearance Index	22s or 5	01		110	110	100	110	100	110	100	100	110	100	110
t Results	ion	50s or 2	1		4.7	4.4	4.6	4.3	9•4	4.1	4.4	9.4	4.7	8.	4.1
ng Test	Elongation	× or	ابد		æ	80	4	2	, m	e		2	0	2	m
Processing		22	띪		PERCENT 32 6.8	SCE.	PERCENT 36 6.4	PERCENT 34 6.2	PERCENT 45 6.3	PERCENT 41 5.3	PERCENT	°CE	PERCENT 51 6.0	PERCENT	PERCENT 33 5.8
Pro	Strength	or 50s or	4		4	35	22	35	0	66	0	0	0	2	0
	St	22s or 27 tx	sqi		66	104	105	102	126	118	12	131	137	125	100
	2 % d	Waste	Pet		5.9	7.0	6.5	7.2	6.1	5.91	6.1 1/	6.9	5.8	5.31/	5.7
	Color w Stock		위		m	2	2	m	~	æ	æ	60	m	7	7
	Ra	Gra	욁		1	2	2	-	-	7	7	7	-	7	0
	S.A.	Non- Lint	Pet		3, 2.2	4.1	2.8	2.7	2.9	2.2	2.7	3.4	2.4	2.0	1.2
ts	Elon-	gat'n 1/8"	Pet		LLE 213	NE 61 5.7	NE 61 6.8	NE 61 6.2	5.4-2 5.6	5.0	5.4	5.4	5.2	5.5	NE 61 5.8
t Results	r th	1/8" Gage	G/tex		TONEVILLE	DELTAPINE 61 24 5.7	DELTAPINE 22 6	DELTAPINE 22 6.	ALA 26	ALA	ACALA S 26	ALA	ALA 8	ACALA S	DELTAPINE 61
Fiber Test	Fiber Strength	Zero Gage			S1 77	DE DE	90 08	962 2	88 AC	94 AC	97 A(	93 AC	95 AC	91 AC	88
Fib		Mike Z													
		. •	Rdg		4.6	5.0	4.2	4.7	4.1	4.4	4:	4.0	4 • 4	3.9	5.1
	Digital Fibrograph	Unif.	Pet		4	47	45	4	47	47	4	4	64	47	45
	Digi Fibro		듸		1.08	1.14	1.12	1.08	1.17	1.09	1.13	1.14	1.16	1.11	1.09
•		Stple	32s	AREA	35	35	35	35	36	35	36	36	36	35	35
tion	ber	de		•	7	41	41	41	41	41	41	41	40	41	31
Classification	& Sample Number	No Grade Name & Code		WEST	ARIZONA BOWIE 3 SLM	BUCKEYE 3 SLM	CASA GRANDE 3 SLM	SOMERTON 3 SLM	CALIFORNIA CHOWCHILLA 3 SLM	HANFORD 3 SLM	LOS BANDS 3 SLM	SAN JOAQUIN	TRANQUILITY 3 SLM PLUS	VISALIA 3 SLM	WESTMORLAND 3 MID

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

1/ Cotton stuck to processing rolls

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ong staple: 6
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American
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Table

	Spin. Poten-	tial	<u>ا</u> لا		88
	t'ns	50s or 12 tx	8		20
rns	Imprfect'ns	22s or 27 tx	8		20
rded Ya	nce	Os or 2 tx	일		06
Processing Test Results - Carded Yarns	Appearance Index	Gra Yel Comber 22s or 50s or 22s or 50s or 22s or 50s or 22s or 50s or 50s or 60s or 22s or 50s or 60s or 6	울		100
Result	<sub>₹</sub> uc	s or 22 tx 27	Et		4 · 8
g Test	Elongation	or 50s tx 12			
essin	El	or 22s	Lbs Pct		RCEN 6
Proc	ngth	r 50s c 12 t	흡		75 PERCENT 129 45 6.3 149 54 7.0
	Strength	22s o 27 tx	Lbs		
	Color P&C Raw Stock and	Comber Waste	Pet		2 6.7 * 16.0
	Color P&C Raw Stock and	Yel	No 		8 *
	Col Raw	Gra	No		1
	S.A.	Lint	Pet		3.8
ts	Elon- S.A.	1/8" Lint	Pct		CALA 1517-V 26 6.0 3.8 1
est Results	Fiber Strength	1/8" Gage	G/tex		ACALA 26
Fiber Test	Fi	Zero Gage	Mpsi		46
िंच -		Mike Zero Gage	Rdg		3.2
	al	Unif.	Ret		4
	Digital Fibrograph	Stple 2.5%	ន្យ		41 37 1.15
		Stple	32s	AREA	37
Area,	lber	1 1		•	41
Production Area,	& Sample Number	No Grade Name & Code		WEST	NEW MEXICO ANIMAS 3 SLM

\* Comber Waste and Combed Yarn Data

Table 5--Cotton, American Pima extra long staple: Quality characteristics by production areas, crop of  $197 \pm 100$ 

Processing Test Results - Combed Yarns	Elongation Appearance Imprfectins Index	Waste Waste 50s or 80s or 50s or 80s or 50s or 80s	Pet No No No		7 4.9 110 120	7 4.8 110 110	2 4.6 110 120	4 4.6 100 100
Processing Test Res	Strength Elor	12 tx 7 tx 12 tx 7 tx 12 tx	Lbs Lbs Pet		100 PERCENT 16.8 63 34 5.7	90 PERCENT 3 63 34 5.7	100 PERCENT 8.3 62 34 5.2	100 PERCENT* 19.4 60 33 5.4
	상	Yel Waste Waste	No Pet Pet		1 5 8.4 16.	90 5 7.6 18.3	1000	1 6 8.8 19.
	S.A.	gat'n Non- 1/8" Lint Gra	Pct Pct No		7.4 2.6 4	7.1 2.1 4	7.5 3.2 4	6.7 3.2 6
Fiber Test Results		age	Mpsi G/tex		PIMA S-4	PIMA S-4	PIMA S-4 101 32 7	PIMA S-4
<b>4</b>		Mike	Rdg		8	3.5	3.6	3.1
	Array Length		In Pet		1.42 32	1.43 31	1.43 34	1.41 36
rea, ion	er	Stple	32s	AREA	7 7	77	77	5 44
Production Area, Classification	& Sample Number	No Grade Name & Code		WEST	ARIZONA BOWIE 2 4	NEW MEXICO LAS CRUCES 2	WEST TEXAS FABENS 3	PECOS 5

\* 100 percent selected for tests, less than 100 percent in the area

